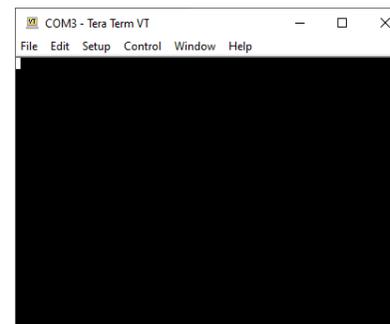
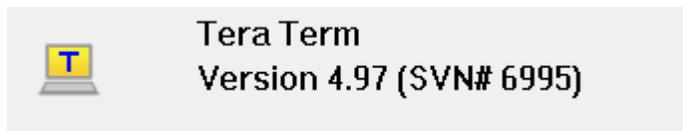


# SC300 Firmware Upgrade Via USB

Procedure tested - SC300 v1.11 to v1.17

- Back up the SC300 configuration using web or DC Tools
- Download and install “Tera Term”
- <https://tera-term.en.lo4d.com/windows>
- Tera Term on 32-bit and 64-bit PCs This download is licensed as freeware for the Windows (32-bit and 64-bit) operating system on a laptop or desktop PC from <https://en.lo4d.com/windows/ssh-telnet-clients>, clients without restrictions.

Tera Term is an open-source, free, software implemented, terminal emulator (communications) program. It emulates different types of computer terminals, from DEC VT100 to DEC VT382. It supports telnet, SSH 1 & 2 and serial port connections.



# SC300 Firmware Upgrade Via USB

- Get USB to USB micro cable for connection between laptop and SC300 front USB port
- Get from Eaton the latest SC300 Firmware files:
  - `sc300-v117.14e14b4.icp`
  - `sc300-Boot-v1.17.14e14b4.icp`
- Store files in location for later finding



# SC300 Firmware Upgrade Via USB

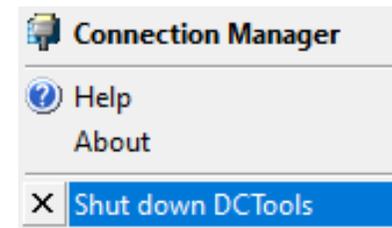
- Disconnect power (RXP cable) from rear of SC300 and then re-apply/connect power whilst holding down the right arrow.



- This will re-start the SC300 controller in special “Z Modem\*” firmware upgrade mode. **\*Note: some boot loaders require you to press the Right arrow button on the controller on the boot menu to enable ZModem upgrade to work.**

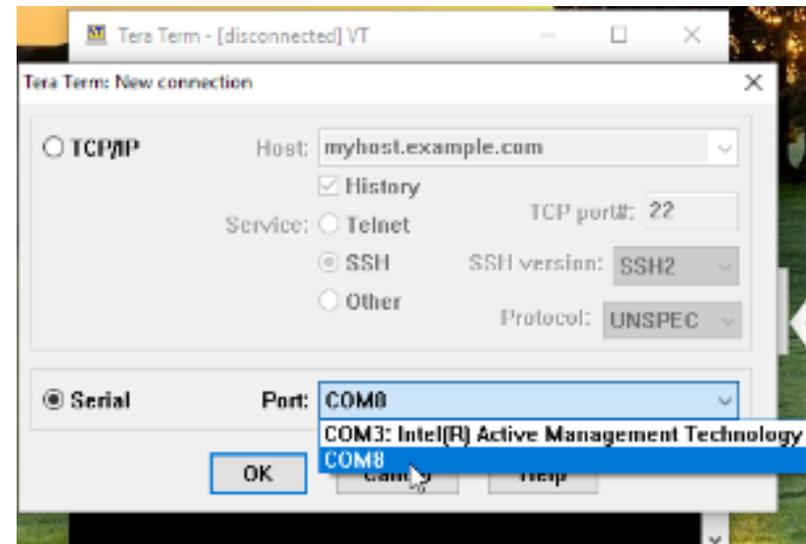
# SC300 Firmware Upgrade Via USB

- Make sure DC Tools is not running on laptop and any other USB software (otherwise USB port will not be available for Tera Term)



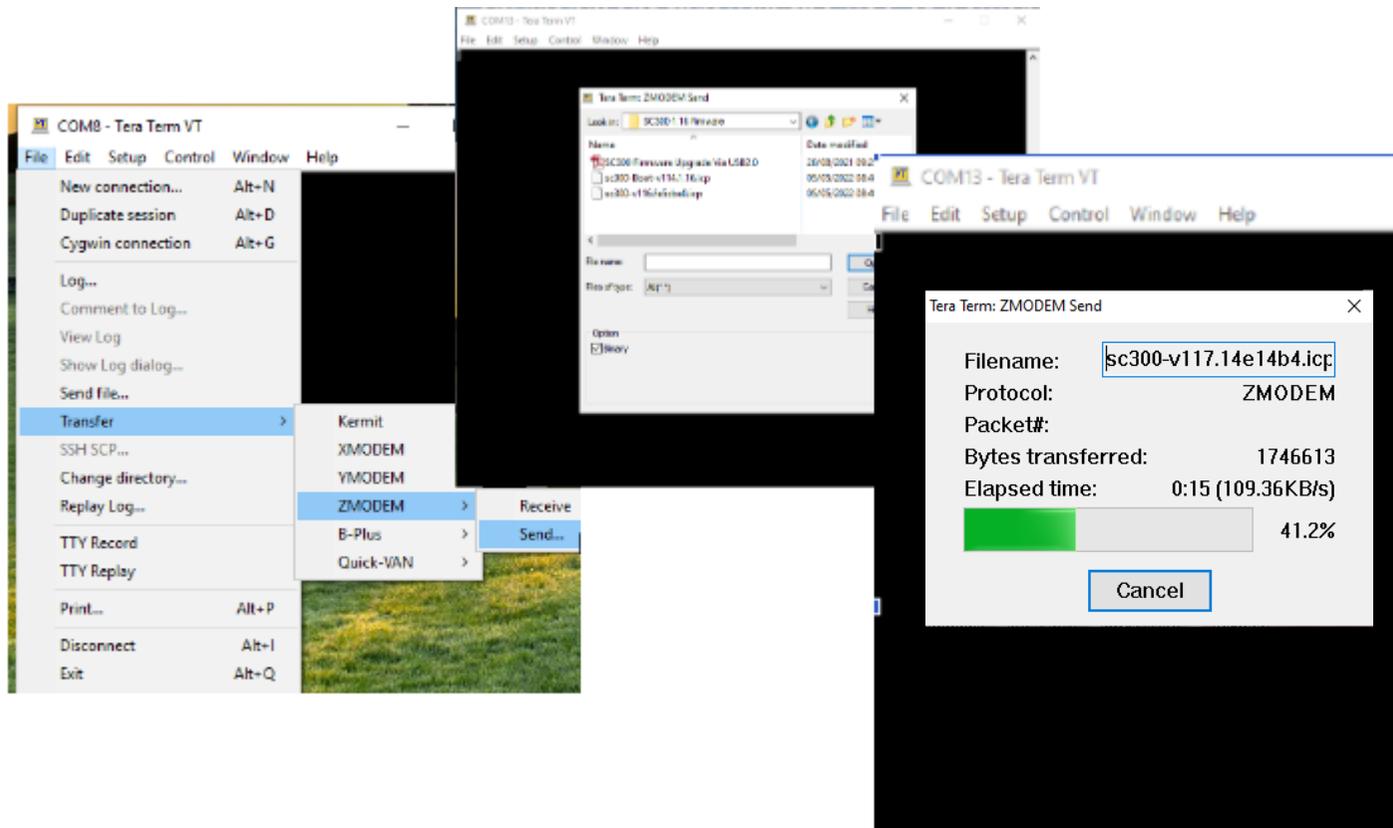
- Plug USB cable in between laptop and SC300 whilst SC300 is still in "Z Modem" upgrade mode

- Start Tera Term and select "serial port" that relates to the virtual USB port. Usually COM8 or similar larger COM port number.



# SC300 Firmware Upgrade Via USB

- From Tera Term file menu select:
- File/Transfer/ZMODEM/Send/Enter
- Select Upgrade – Main firmware file  
`sc300-v117.14e14b4.icp`
- Press “Open” and file should commence Uploading



# SC300 Firmware Upgrade Via USB

- Front panel of SC300 will show progress.
- Allow several minutes for upgrade.
- SC300 controller will reboot.
- Repeat process to upgrade the Boot firmware selecting - `sc300-Boot-v1.17.14e14b4.icp`
- After the upgrade check SC300 front panel Information menu to ensure the firmware has been installed.

\*Note if S/N is listed as Unknown, follow the replacement of ATE missing data process\*